BOOK

ns adth 5	Dep 6	nts	Reference to last Measurement 8
852 —			
5406 —			
1109 —			
852 —			
185 —			
5949 —			
6553 =00			

SBRNO - 319/14-15
28-2-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

BRN : 482/28.2.15

Serial No. 1st and final Bill

Name of Work Laying and Asphalting From to HMT Stn To Block road & in 249509

Name of Contractor of nature of Agency C. Shivaraj Contractor. Ward No-09 of

Date of commencement of work D.O. Recording : 26/12/2015 Vidyaranyapura Sub-Di

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost	Rs.	20.00	Lakhs			
	DB. No		009-14-000044				
	Work order no =	EE/BTP/BBMP/E-pmt/224/					2014-15
							Dt. 14-01-2015
	Date of Commencement =	16-01-2015					
	Date of completion =	26-02-2015					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Earthwork Excavation by manual means in hard soil involving an average horizontal throw upto 2m and an average lift upto 0.30m, Excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking of clods etc complete as per specifications and directions of Engineer in charge of the work.						
						Qty vide this MB p 249576	
						It no. ① : 516.38 m³ @ 95.21/m³	49165.—
2)	Removing of B.d. slabs of drain and stacking etc					Complete	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	as per specifications of the work.	as
3)	Refixing stone slabs of etc complete as per spe	

OK

Depth 6	Contents 7	Reference to last Measurement 8
ne is	hard soil	
2m	and	
ufce	levelled	
ades	to be levelled	
	as per specifications	
	the work.	
MB	p 249576	
516.38	m³ @	
	95.24/m³	49165.00
y etc	Complete	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 249510

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	as per specifications and directions of Engineer-In-charge of the work.						
			Qty vide this MB. p. 249576				
			It no (1) :	594.00	m² @		
						52.60/m²	31244.00
3)	Refixing stone slabs of dressed and pointing in c/m 1:3 etc complete as per specifications						
			Qty vide It no (1) =	594	m²		43659.00
						@ 73.50/m²	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4)	dconfying stone metal pitch axes along with and stacking of old serviceable materials within a lead of 100m by manual means including cost of all labour charges etc complete as per specifications and directions of Engineer in charge of the works.	Cost 50mm to 100mm thick with premix carpet/ surface dressing					
		Qty vide this MB p. 249577					
		It no. ③ = 2500.0 m^2 @				₹6.50/m^2	19,500.00
5)	Providing, laying, spreading and compacting graded						

M.

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	stone aggregate to wet mix p premixing the material wit mix plant conveying of mix site, laying in uniform layer base course on well prepare Vibratory roller to achieve the as per specifications and dire the work.	
		Qty

IT BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
to 100m thick with			
rpet/ surface dressing			
ads within a lead of			
cost of all labour			
s and directions of			
this MB p. 249577			
③ = 2550.0 m^2 @ ₹6.50/m^2			19,507.50
compacting grade			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 249511

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	stone aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant conveying of mixed material by tipper lorry to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory rollers to achieve the desired density etc complete as per specifications & directions of Engineer-in-charge of the work.						
	Day wade ~~MB~~ MB				p. 249724/249681		600,030.00

no ① = 510.0 m^3 @ 1176.53/m^3

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	Cleaning of Existing WBM Road surface including removing of binding materials, and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and/or Compressed air to receive bituminous treatment including cost of all materials, labour, Hire of machineries, curing etc complete as per specifications and directions of Engineer in charge of the work.						
			Carriage Road No. (4)				
			2550.0 @ = 11.10/m2				28305.0

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
7)	Providing and applying pri on prepared surface of of road surface and 0.60 kg/m2 using metho Specifications and directions Work.	

NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
surface including removing foreign matter with wire brush brooms or soft old gunny bags and/or other treatment including cost of machineries, specifications and directions ...			
each	No. (4)		
.0	@ = 11.10/m2		28305.0

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249512

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
7)	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.60 kg/m2 using mechanical means etc complete as per Specifications and directions of Engineer in charge of the work.						
		Qty each		No. (5)	2	2550.00 m2	380205.00

@149.10/m2

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8) Providing and laying semi-dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 t/hr using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix towards site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MoRTH specifications clause no. 500 & complies in all respects as per specifications with Bo/Iso grade bitumen, etc directions of Engineer a) 3rd mech. Roll [Ch. 0.0 to 180.00m]					

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
		Comp

BOOK

...ons		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

...tuminous concrete
...type HMP producing
...ing crushed aggregates
...bituminous binder
...nsporting the hot mix
...paver finishers
...rade, level and
...d, vibratory and
...red compaction
...No. 500. 8 complies
...ns with 80/100

M. A. R. 57 (Rule 116)
Measurement Book

No. B 249513

Serial No. ....

Name of Work .... From.................................. To..................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	grade bitumen, etc complete as per specifications and directions of engineers incharge of the Work.				Avg		
	a) 3rd mass Road [Ch. 0.0 to 180.00]	1	30.00	(6.7+4.7)/2	0.025	4.28 m³	
		1	30.00	(4.7+4.7)/2	0.025	3.53	
		1	30.00	(4.7+4.9)/2	0.025	3.60	
		1	30.00	(4.9+5.0)/2	0.025	3.71	
		1	30.00	(5.0+4.8)/2	0.025	3.68	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{4.8+9.0}{2}$	0.025	5.18	
(b)	2nd main Road 4 mts SN Diw	1	30.00	$\frac{6.0+4.4}{2}$	0.025	3.90	
	[Ch. 0.00 to 195.00 mts]	1	30.00	$\frac{4.4+4.6}{2}$	0.025	3.38	
		1	30.00	$\frac{4.6+4.5}{2}$	0.025	3.45	
		1	30.00	$\frac{4.6+4.6}{2}$	0.025	3.49	
		1	30.00	$\frac{4.7+4.8}{2}$	0.025	3.54	
		1	30.00	$\frac{4.8+4.8}{2}$	0.025	3.60	
		1	15.00	$\frac{4.8+8.4}{2}$	0.025	2.48	

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	(c) Cross-Road (0.00 to 80 mts)	
	Below Work at N' pur, Last Bus-stop to Gate Via Double Road (Ch. 0.00 345.00 to 372 mts)	

NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
$\frac{4.8+9.0}{2}$	0.025	5.18	
$\frac{6.2+4.4}{2}$	0.025	3.90	
$\frac{4.4+4.6}{2}$	0.025	3.38	
$\frac{4.6+4.6}{2}$	0.025	3.45	
$\frac{4.6+4.6}{2}$	0.025	3.49	
$\frac{4.7+4.8}{2}$	0.025	3.51	
$\frac{4.8+4.8}{2}$	0.025	3.60	
$\frac{4.8+8.4}{2}$	0.025	2.48	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249514
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(1) CROSS-ROAD (0.000 80 mtrs)	1	30.00	$\frac{5.7+4.7}{2}$	0.025	3.93	
		1	30.00	$\frac{4.7+4.7}{2}$	0.025	3.53	
		1	20.00	$\frac{4.7+5.4}{2}$	0.025	2.78	
	Below Work at Vijayapura Lock Bus-stop to Circle Double Road (Ch.00 345.00 to 372.00)	1	27.00	$\frac{7.6+10.2}{2}$	0.025	5.94	
						63.95 m³	
					1.16	63.75 m³	667 803.00

C&FC
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₹10475.44/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Road marking with hot applied thermoplastic Compound with reflecting rising glass beads on bituminous surface priming and laying of hot applied thermoplastic Compound 2.5 mm thick including reflectorising glass beads at 250 gms per m2 area, thickness of 2.5mm is exclusive of dumps to level, uniform and free from streaks and holes etc complete as per specifications and direction of Engineer-in-charge of the Work.					Not operated	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Certificate ① Certified that the co satisfactorily.	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
d			thermoplastic Compd	
s			on bituminous surface	
d			thermoplastic Compd	
g			glass beads at 250	
sha			is exclusive of	
ce			from streets and	
ons			and directions of	
nt			operated	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 249515

Name of Contractor of nature of Agency .....

Date of commencement of work .....

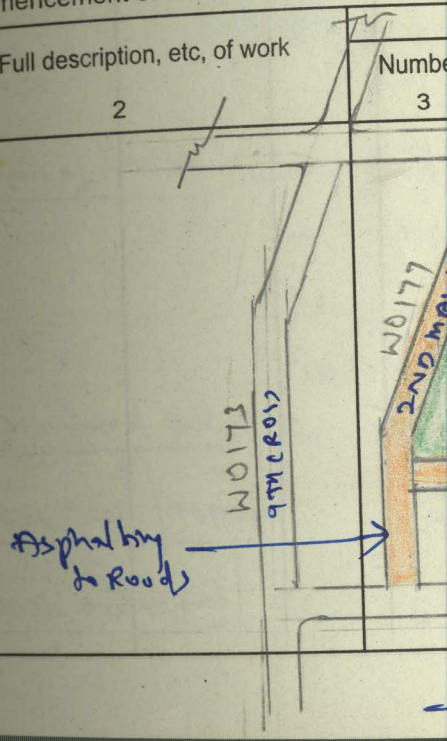
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total	20,16,446.92
	Certificate						19,95,492=00
	① Certified that the contractor has work done satisfactorily.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) The contractor has removed the debris from work site.						
	3) There is no any dept. materials issued to contractor.						

28/02

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3